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1 [Multimedia index and retrieval under MARC framework](#)

Wenying Wendy Gao, Jesse S. Jin

May 2003 VIP '02: Selected papers from the 2002 Pan-Sydney workshop on
Visualisation - Volume 22, Volume 22

Publisher: Australian Computer Society, Inc.

Full text available: [pdf\(325.35 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Information retrieval is the indexing and retrieving of data that match criteria specified by users. In today's age, the proliferation of multimedia information makes it necessary to revolutionise traditional type of information retrieval systems.
Content ...

2 [Fast image retrieval using color-spatial information](#)

Beng Chin Ooi, Kian-Lee Tan, Tat Seng Chua, Wynne Hsu

May 1998 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 7 Issue 2

Publisher: Springer-Verlag New York, Inc.

Full text available:  [pdf\(496.55 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

In this paper, we present an image retrieval system that employs both the color and spatial information of images to facilitate the retrieval process. The basic unit used in our technique is a *single-colored cluster*, which bounds a homogeneous ...


Keyw ords: Color-spatial information, Content-based retrieval, Sequenced multi-attribute tree, Single-colored cluster

3 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

November 1997 CASCON '97: Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available:  [pdf\(4.21 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event ...


4 [A search engine for 3D models](#)



Thomas Funkhouser, Patrick Min, Michael Kazhdan, Joyce Chen, Alex Halderman, David Dobkin, David Jacobs

January 2003 ACM Transactions on Graphics (TOG), Volume 22 Issue 1

Publisher: ACM

Full text available:  [pdf\(7.91 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

As the number of 3D models available on the Web grows, there is an increasing need for a search engine to help people find them. Unfortunately, traditional text-based search techniques are not always effective for 3D data. In this article, we investigate ...

Keyw ords: Search engine, shape matching, shape representation, shape retrieval

5 Time-machine computing: a time-centric approach for the information




environment

Jun Rekimoto

November 1999 UI ST '99: Proceedings of the 12th annual ACM symposium on User interface software and technology

Publisher: ACM

Full text available:  [pdf\(863.69 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

This paper describes the concept of Time-Machine Computing (TMC), a time-centric approach to organizing information on computers. A system based on Time-Machine Computing allows a user to visit the past and the future states of computers. ...

Keywords: desktop environment, document management, information visualization, inter-application communication, time traveling, time-machine computing


6 WEST: a Web browser for small terminals



Staffan Björk, Lars Erik Holmquist, Johan Redström, Ivan Bretan, Rolf Danielsson, Jussi Karlgren, Kristofer Franzén

November 1999 UI ST '99: Proceedings of the 12th annual ACM symposium on User interface software and technology

Publisher: ACM

Full text available:  [pdf\(173.07 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

We describe WEST, a WEB browser for Small Terminals, that aims to solve some of the problems associated with accessing web pages on hand-held devices. Through a novel combination of text reduction and focus+ context visualization, users can access web ...


Keywords: WAP (wireless application protocol), flip zooming, focus+ context visualization, hand-held devices, proxy systems, text reduction, web browser

7 An ethnographic study of music information seeking: implications for the design of a music digital library

Sally Jo Cunningham, Nina Reeves, Matthew Britland

May 2003 JCDL '03: Proceedings of the 3rd ACM/IEEE-CS joint conference on Digital libraries

Publisher: IEEE Computer Society

Full text available:  [pdf\(156.59 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

At present, music digital library systems are being developed based on anecdotal evidence of user needs, intuitive feelings for user information seeking behavior, and a priori assumptions of typical usage scenarios. Emphasis has been placed on basic ...

8 Visual and spatial communication and task organization using the visual




knowledge builder

Frank Shipman, Robert Airhart, Haowei Hsieh, Preetam Maloor, J. Michael Moore, Divya Shah

September 2001 GROUP '01: Proceedings of the 2001 International ACM SIGGROUP Conference on Supporting Group Work

Publisher: ACM

Full text available:  [pdf\(1.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

When people share a workspace, they naturally create visual structures which organize resources, communicate interpretations, and coordinate activities. To support this mode of communication and coordination we have built the Visual Knowledge Builder ...

Keyw ords: collaborative writing, emergent structure, information workspace, magnetic poetry, navigable history, spatial parser, visual communication, visual language


9 Image Retrieval from the World Wide Web: Issues, Techniques, and Systems



M. L. Kherfi, D. Ziou, A. Bernardi

March 2004 ACM Computing Surveys (CSUR), Volume 36 Issue 1

Publisher: ACM

Full text available:  [pdf\(294.13 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

With the explosive growth of the World Wide Web, the public is gaining access to massive amounts of information. However, locating needed and relevant information remains a difficult task, whether the information is textual or visual. Text search engines ...

Keyw ords: Image-retrieval, World Wide Web, crawling, feature extraction and selection, indexing, relevance feedback, search, similarity


10 [A document corpus browser for in-depth reading](#)



Eric Bier, Lance Good, Kris Popat, Alan Newberger

June JCDL '04: Proceedings of the 4th ACM/IEEE-CS joint conference on Digital
2004 libraries

Publisher: ACM

Full text available:  [pdf\(164.61 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),
[index terms](#)

Software tools, including Web browsers, e-books, electronic document formats, search engines, and digital libraries are changing the way people read, making it easier for them to find and view documents. However, while these tools provide significant ...

Keywords: bookplex, computer-aided reading, digital library, document management, spatial memory, visualization, zoomable user interface

11 [Intellectual property aspects of web publishing](#)



Holger M. Kienle, Daniel German, Scott Tilley, Hausi A. Müller

October SIGDOC '04: Proceedings of the 22nd annual international conference on
2004 Design of communication: The engineering of quality documentation

Publisher: ACM

Full text available:  [pdf\(153.91 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),
[index terms](#)

This paper addresses how intellectual property affects the Web in general, and content publishing on the Web in particular. Before its commercialization, the Web was perceived as being free and unregulated; this assumption is no longer true. Nowadays, ...

Keywords: copyright, hypermedia, intellectual property, link law, open content, patents, trademarks, world wide web


12 [Greenstone: a comprehensive open-source digital library software system](#)



Ian H. Witten, Stefan J. Boddie, David Bainbridge, Rodger J. McNab

June DL '00: Proceedings of the fifth ACM conference on Digital libraries
2000

Publisher: ACM

Full text available:  [pdf\(303.96 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),
[index terms](#)

This paper describes the Greenstone digital library software, a comprehensive, open-source system for the construction and presentation of information collections. Collections built with Greenstone offer effective full-text searching and metadata-based ...


13 The parks PDA: a handheld device for theme park guests in squeak



Yoshiki Ohshima, John Maloney, Andy Ogden

October OOPSLA '03: Companion of the 18th annual ACM SIGPLAN conference on
2003 Object-oriented programming, systems, languages, and applications

Publisher: ACM

Full text available:  [pdf\(488.82 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The Parks PDA is a lightweight, handheld device for theme park guests that functions as a combination guidebook, map, and digital camera. Together with a small team of artists and designers, we created a prototype Parks PDA and content for a three hour ...

Keyw ords: PDA, development environment, end-user software, handheld device, multimedia data management, rapid software development


14 Object-based navigation: an intuitive navigation style for content-oriented integration environment



Kyoji Hirata, Sougata Mukherjea, Yusaku Okamura, Wen-Syan Li, Yoshinori Hara

April HYPERTEXT '97: Proceedings of the eighth ACM conference on Hypertext
1997

Publisher: ACM

Full text available:  [pdf\(1.29 MB\)](#)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Keyw ords: COIR, World-Wide Web, content-oriented integration, object-based navigation, object-level integration, relationship among objects


15 Visual information retrieval from large distributed online repositories



Shih-Fu Chang, John R. Smith, Mandis Beigi, Ana Benitez


December Communications of the ACM, Volume 40 Issue 12
1997

Publisher: ACM


Full text available:  [pdf\(1.96 MB\)](#)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

16 Passive capture and ensuing issues for a personal lifetime store

 Jim Gemmell, Lyndsay Williams, Ken Wood, Roger Lueder, Gordon Bell
October 2004 CARPE'04: Proceedings of the the 1st ACM workshop on Continuous archival and retrieval of personal experiences

Publisher: ACM

Full text available:  [pdf\(1.05 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)



Passive capture lets people record their experiences without having to operate recording equipment, and without even having to give recording conscious thought. The advantages are increased capture, and improved participation in the event itself. However, ...

Keyw ords: MyLifeBits, SenseCam, database, multimedia, photo


17 A personal digital store

 Gordon Bell
January 2001 Communications of the ACM, Volume 44 Issue 1

Publisher: ACM

Full text available:  [pdf\(289.88 KB\)](#)  [html\(33.91 KB\)](#) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

18 Shape-based retrieval and analysis of 3D models

 Thomas Funkhouser, Michael Kazhdan
August 2004 SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes

Publisher: ACM

Full text available:  [pdf\(12.56 MB\)](#) Additional Information: [full citation](#), [abstract](#)

Large repositories of 3D data are rapidly becoming available in several fields, including mechanical CAD, molecular biology, and computer graphics. As the number of 3D models grows, there is an increasing need for computer algorithms to help people find ...


19 Model-driven development of Web applications: the AutoWeb system



Piero Fraternali, Paolo Paolini

October 2000 ACM Transactions on Information Systems (TOIS), Volume 18 Issue 4

Publisher: ACM

Full text available:  [pdf\(6.94 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

This paper describes a methodology for the development of WWW applications and a tool environment specifically tailored for the methodology. The methodology and the development environment are based upon models and techniques already used in the hypermedia, ...

Keywords: HTML, WWW, application, development, intranet, modeling

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